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David Gotz

October 2006 **MULTIMEDIA '06**: Proceedings of the 14th annual ACM inter Multimedia**Publisher:** ACM [Request Permissions](#)Full text available: [Pdf](#) (193.53 KB) Additional Information: [full citation](#), [abstract](#), [ref](#)**Bibliometrics:** Downloads (6 Weeks): 8, Downloads (12 Months): 66, Citation

Streaming of linear media objects, such as audio and video, has become Internet. Large groups of users regularly tune in to a wide variety of on radio shows, sports events, and news coverage. However, ...

Keywords: multimedia, non-linear, scalable, streaming2 [Offline and data stream algorithms for efficient computation of synop](#)

Sudipto Guha, Kyuseok Shim

August 2005 **VLDB '05**: Proceedings of the 31st international conference on**Publisher:** VLDB EndowmentFull text available: [Pdf](#) (82.23 KB) Additional Information: [full citation](#), [abstract](#), [inc](#)**Bibliometrics:** Downloads (6 Weeks): 2, Downloads (12 Months): 27, Citation

Synopsis and small space representations are important data analysis to used OLAP/DSS systems, approximate query answering, query optimize These techniques represent the input in terms broader characteristics ..

3 [Proceedings of the 2003 ACM SIGMOD international conference on](#)

Yannis Papakonstantinou, Alon Halevy, Zachary Ives

June 2003 **SIGMOD '03**: Proceedings of the 2003 ACM SIGMOD internatio Management of data**Publisher:** ACMAdditional Information: [full citation](#), [abstract](#), [index terms](#)**Bibliometrics:** Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Citatio

The 2003 ACM SIGMOD International Conference on Management of Da 2003 in San Diego, California. This year, SIGMOD was part of the Feder Conference (FCRC-2003), which included a total of 16 conferences and

4 [TinyDB: an acquisitional query processing system for sensor network](#)Samuel R. Madden, Michael J. Franklin, Joseph M. Hellerstein, Wei Hong March 2005 **Transactions on Database Systems (TODS)**, Volume 30 Issue**Publisher:** ACM [Request Permissions](#)

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We discuss the design of an acquisitional query processor for data collection. Acquisitional issues are those that pertain to where, when, and how often data is acquired (*sampled*) and delivered to query processing ...

Keywords: Query processing, data acquisition, sensor networks

5 The design of an acquisitional query processor for sensor networks

 Samuel Madden, Michael J. Franklin, Joseph M. Hellerstein, Wei Hong
June 2003 **SIGMOD '03:** Proceedings of the 2003 ACM SIGMOD international conference on Management of data


Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (485.52 KB) [Additional Information: full citation, abstract, ref](#)

Bibliometrics: Downloads (6 Weeks): 19, Downloads (12 Months): 232, Citations

We discuss the design of an acquisitional query processor for data collection. Acquisitional issues are those that pertain to where, when, and how often data is acquired (*sampled*) and delivered to query processing ...

6 Event queries on correlated probabilistic streams

 Christopher Ré, Julie Letchner, Magdalena Balazinska, Dan Suciu
June 2008 **SIGMOD '08:** Proceedings of the 2008 ACM SIGMOD international conference on Management of data

Publisher: ACM  [Request Permissions](#)


Full text available:  Pdf (1.18 MB) [Additional Information: full citation, abstract, ref](#)

Bibliometrics: Downloads (6 Weeks): 30, Downloads (12 Months): 329, Citations

A major problem in detecting events in streams of data is that the data (e.g., RFID data). However, current state-of-the-art event detection systems [46] or SnooPIB[1], assume the data is *precise*. ...

Keywords: hidden markov models, probabilistic databases, query processing

7 Events and streams: harnessing and unleashing their synergy!

 Sharma Chakravarthy, Raman Adakalavan
July 2008 **DEBS '08:** Proceedings of the second international conference on Data Engineering in Systems

Publisher: ACM


Full text available:  Pdf (804.13 KB) [Additional Information: full citation, abstract, ref](#)

Bibliometrics: Downloads (6 Weeks): 25, Downloads (12 Months): 291, Citations

One of the purposes of this paper is to demonstrate the ubiquitous nature of simple and complex events in situation monitoring and other unforeseen applications. This paper retrospectively analyzes the progress of event-based capability ...

Keywords: complex event processing, data stream processing, expressive query languages, information security, monitoring applications

8 A generic component model for building systems software



 Geoff Coulson, Gordon Blair, Paul Grace, Francois Taiani, Akbar Joolia, K. S. Thirunavukkarasu, Sivaharan

February 2008 **Transactions on Computer Systems (TOCS)** , Volume 26 Iss**Publisher:** ACM  Request PermissionsFull text available:  Pdf (603.88 KB)Additional Information: [full citation](#), [abstract](#), [ref](#)**Bibliometrics:** Downloads (6 Weeks): 55, Downloads (12 Months): 598, Citati


Component-based software structuring principles are now commonplace but componentization is far less established when it comes to building lo. Although there have been pioneering efforts in applying componentizati

Keywords: Component-based software, computer systems implemente**9** [Communications of the ACM: Volume 52 Issue 7](#)

July 2009 Communications of the ACM

Publisher: ACMFull text available:  Digital Edition ,  Pdf (7.61 MB) Additional Information: [full citation](#)**Bibliometrics:** Downloads (6 Weeks): 938, Downloads (12 Months): 938, Citat**10** [Sensing and using social context](#)

Brett Adams, Dinh Phung, Sveitha Venkatesh

November 2008 **Transactions on Multimedia Computing, Communication and Security (TOMCCAP)** , Volume 5 Issue 2**Publisher:** ACM  Request PermissionsFull text available:  Pdf (13.80 MB) Additional Information: [full citation](#), [abstract](#), [ref](#)**Bibliometrics:** Downloads (6 Weeks): 61, Downloads (12 Months): 373, Citati


We present online algorithms to extract social context: Social spheres a significance, represented as convex hulls extracted from GPS traces. Co Bluetooth and GPS to extract social rhythms, patterns in ...

Keywords: Multimedia browsing, social context**11** [MPEG-4: an object-based multimedia coding standard supporting m](#)

Atul Puri, Alexandros Eleftheriadis

June 1998 **Mobile Networks and Applications** , Volume 3 Issue 1**Publisher:** Kluwer Academic PublishersFull text available:  Pdf (747.80 KB) Additional Information: [full citation](#), [abstract](#), [ref](#)
[review](#)**Bibliometrics:** Downloads (6 Weeks): 10, Downloads (12 Months): 145, Citati

The ISO MPEG committee, after successful completion of the MPEG-1 ar currently working on MPEG-4, the third MPEG standard. Originally, MPEG standard for coding of limited complexity audio-visual scenes ...


12 [Interactive TV narratives: Opportunities, progress, and challenges](#)Marian F. Ursu, Maureen Thomas, Ian Kegel, Doug Williams, Mika Tuomola Wright, Andra Leurdijk, Vilmos Zsombori, Julia Sussner, Ulf Myrsetam, Nina October 2008 **Transactions on Multimedia Computing, Communication and Security (TOMCCAP)** , Volume 4 Issue 4**Publisher:** ACM  Request PermissionsFull text available:  Pdf (28.03 MB) Additional Information: [full citation](#), [abstract](#), [ref](#)**Bibliometrics:** Downloads (6 Weeks): 53, Downloads (12 Months): 407, Citati

This article is motivated by the question whether television should do m


interactive services alongside (and separately from) traditional linear pr
its dominance being seriously challenged and threatened ...

Keywords: Interactive, computational narrativity, digital storytelling, e
narrativity, nonlinear, screen media, shapeshifting, television

13 Hancock: A language for analyzing transactional data streams

 Corinna Cortes, Kathleen Fisher, Daryl Pregibon, Anne Rogers, Frederick St
March 2004 **Transactions on Programming Languages and Systems (T**

Publisher: ACM  Request Permissions


Full text available:  Pdf (217.55 KB) Additional Information: full citation, abstract, ref

Bibliometrics: Downloads (6 Weeks): 14, Downloads (12 Months): 100, Citati

Massive transaction streams present a number of opportunities for data
transactions in such streams might represent calls on a telephone netw
purchases, stock market trades, or HTTP requests to a web ...

Keywords: Domain-specific languages, data mining, statistical models

14 Cascadia: A System for Specifying, Detecting, and Managing RFID E

 Evan Welbourne, Nodira Khousainova, Julie Lechner, Yang Li, Magdalena
Borriello, Dan Suciu

June 2008 **MobiSys '08: Proceeding of the 6th international conference on**
applications, and services

Publisher: ACM  Request Permissions

Full text available:  Pdf (805.98 KB) Additional Information: full citation, abstract, ref

Bibliometrics: Downloads (6 Weeks): 22, Downloads (12 Months): 286, Citati

Cascadia is a system that provides RFID-based pervasive computing ap
infrastructure for specifying, extracting and managing meaningful high-
data. Cascadia provides three important services. First, it allows ...

Keywords: RFID, data management, event detection, event specificati

15 Flight data recorder: monitoring persistent-state interactions to impro

Chad Verbowski, Emre Kidman, Arunvijay Kumar, Brad Daniels, Shan Lu, ,
Roussi Roussey

November 2006 **OSDI '06: Proceedings of the 7th symposium on Operating**
implementation

Publisher: USENIX Association

Full text available:  Pdf (457.56 KB) Additional Information: full citation, abstract, ref

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 65, Citation

Mismanagement of the persistent state of a system---all the executable
and other data that govern how a system functions---causes reliability p
vulnerabilities, and drives up operation costs. Recent research ...

16 Efficient pattern matching over event streams

 Jagrati Agrawal, Yanlei Diao, Daniel Gyllstrom, Neil Immerman

June 2008 **SIGMOD '08: Proceedings of the 2008 ACM SIGMOD internatio**
Management of data

Publisher: ACM  Request Permissions

Full text available:  Pdf (720.31 KB) Additional Information: full citation, abstract, ref

Bibliometrics: Downloads (6 Weeks): 52, Downloads (12 Months): 607, Citatio

Pattern matching over event streams is increasingly being employed in financial services, RFIDbased inventory management, click stream analysis systems. While regular expression matching is well studied, pattern ...

Keywords: event streams, pattern matching, query optimization

17 [MediEther: an event space for context-aware multimedia experience](#)

 Susanne Boll, Utz Westermann

November 2003 **ETP '03**: Proceedings of the 2003 ACM SIGMM workshop on

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (357.64 KB) **Additional Information:** [full citation](#), [abstract](#), [ref](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 25, Citation

Today, more and more events of interest all over the world such as preconcerts, soccer matches, breaking news, etc. become available on the content like pictures, video and audio streams, or web pages. These ...


Keywords: multimedia event distribution and notification, peer-to-peer

18 [EventScript: an event-processing language based on regular expressions](#)

 Norman H. Cohen, Karl Trygve Kalleberg

June 2008 **LCTES '08**: Proceedings of the 2008 ACM SIGPLAN-SIGBED conference on compilers, and tools for embedded systems

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (355.34 KB) **Additional Information:** [full citation](#), [abstract](#), [ref](#)

Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 164, Citation

EventScript is a simple but powerful language for programming reactive incoming events is matched against a regular expression. Actions embedded in the expression are executed in response to the matching of patterns ...

Keywords: actuators, event processing, reactive programs, regular expressions

Also published in:

June 2008 **SIGPLAN Notices** Volume 43 Issue 7

19 [SenseEye: a multi-tier camera sensor network](#)

 Purushottam Kulkarni, Deepak Ganesan, Prashant Shenoy, Qifeng Lu

November 2005 **MULTIMEDIA '05**: Proceedings of the 13th annual ACM international conference on Multimedia

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (471.58 KB) **Additional Information:** [full citation](#), [abstract](#), [ref](#)

Bibliometrics: Downloads (6 Weeks): 21, Downloads (12 Months): 178, Citation

This paper argues that a camera sensor network containing heterogeneous sensor networks. We present a novel implementation of *senseeye*--a multi-tier network of heterogeneous ...

Keywords: camera sensors, hierarchical sensor networks

**Structured multimedia authoring**

Dick C. A. Bufterman, Lynda Hardman

February 2005 **Transactions on Multimedia Computing, Communication (TOMCCAP)**, Volume 1 Issue 1**Publisher:** ACM[Request Permissions](#)

Full text available: Pdf (7.07 MB)

[Additional Information: full citation, abstract, ref](#)**Bibliometrics:** Downloads (6 Weeks): 16, Downloads (12 Months): 192, Citations

Authoring context sensitive, interactive multimedia presentations is much more than authoring either purely audiovisual applications or text. Interactions among multimedia elements can be described as a set of spatio-temporal relationships that ...

Keywords: Multimedia authoring, SMIL, hypermedia, synchronizationResult page: [1](#) [2](#) [3](#) [4](#) [5](#) [6](#)

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